ment from a first position to a second position in response to an activation signal and change a shape of the seal body;

an activation device in operative communication with the active material adapted to provide the activation signal; and

a controller in operative communication with the activation device.

21. The active seal assembly of claim 20, wherein the active material comprises a shape memory alloy.

22. The active seal assembly of claim 21, further comprising a bias spring in operative communication with the moveable element to bias the movable element from the second position to the first position.

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